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ABSTRACT OF THE DISCLOSURE

10 A micro-array for analysis of DNA is prepared by the
steps of spotting onto a solid carrier in its predeter-
mined area in which plural reactive groups are fixed an
aqueous solution which contains a thickening agent and
probe molecules (e.g., DNA fragments) having a group
reactive with the reactive group of the solid carrier to
produce covalent bonding; spotting onto the solid carrier
15 in a different area having the same reactive groups an
aqueous solution (same or different); incubating the
aqueous solution-spotted solid carrier to produce the
covalent bondings; and washing the solid carrier with an
aqueous medium to remove the thickening agent from the
20 solid carrier. An electrostatic bonding can be utilized
in place of the covalent bonding.